F4/80 Antibody – Rat

PRODUCT OVERVIEW

Product Name	F4/80, Antibody
Full Product Name	AF488 Anti-Mouse F4/80 Antibody
Product Gene Name	anti-F4/80 antibody
Product Synonym Names	Adhesion G protein-coupled receptor E1, Adgre1, Cell surface glycoprotein F4/80, EGF-like module receptor 1, Adgre1, Emr1, Gpf480
Isotype	Rat IgG2a, kappa
Host	Rat
Species Reactivity	Mouse
Form/Format	PBS with 0.05% Proclin300, 1% BSA
Concentration	0.5mg/mL (lot specific)
Preparation and Storage	Store at 2~8 degree C and protected from prolonged exposure to light. Do not freeze.
Molecular Weight	931
3D Structure	ModBase 3D Structure for Q61549
Conjugation	AF488
Product Categories/Family for anti-F4/80 antibody	Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-F4/80 antibody	Flow Cytometry (FC/FACS/FCM)
Related Product Information for anti-F4/80 antibody	MBS4516287 is an antibody targeting F4/80. Also known as AF488 Anti-Mouse F4/80 Antibody. Reactive in Mouse. Host: Rat.
Other Notes	Small volumes of anti-F4/80 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for F4/80. It may not necessarily be applicable to this product.

NCBI GI #	2495073
NCBI GeneID	13733
NCBI Accession #	Q61549.1
UniProt Primary Accession #	Q61549
UniProt Related Accession #	Q61549
NCBI Official Full Name	EGF-like module-containing mucin-like hormone receptor-like 1
NCBI Official Synonym Full Names	EGF-like module containing, mucin-like, hormone receptor-like sequence 1

NCBI Official Symbol	Emr1
NCBI Official Synonym Symbols	Ly71; F4/80; Gpf480; TM7LN3; DD7A5-7; EGF-TM7
UniProt Protein Name	EGF-like module-containing mucin-like hormone receptor-like 1
UniProt Synonym Protein Names	Cell surface glycoprotein F4/80; EGF-like module receptor 1; EMR1 hormone receptor
UniProt Gene Name	Emr1
UniProt Synonym Gene Names	Gpf480
UniProt Entry Name	EMR1_MOUSE
NCBI Protein Information	EGF-like module-containing mucin-like hormone receptor-like 1; EMR1 hormone receptor; lymphocyte antigen 71; EGF-like module receptor 1; cell surface glycoprotein F4/80
UniProt Comments for F4/80	EMR1: Could be involved in cell-cell interactions. Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, GPCR; Membrane protein, multi-pass; Membrane protein, integral; GPCR, family 2 Cellular Component: membrane; integral to membrane; plasma membrane; external side of plasma membrane Molecular Function: G-protein coupled receptor activity; signal transducer activity; transmembrane receptor activity; calcium ion binding Biological Process: G-protein coupled receptor protein signaling pathway; cell surface receptor linked signal transduction; signal transduction
Research Articles on F4/80	**1.** EMR1 expression is restricted to mature blood and tissue eosinophils. Targeting of eosinophils with afucosylated anti-EMR1 antibody shows promise as a treatment for eosinophilic disorders.
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